



Test Monitoring Center

6555 Penn Avenue
Pittsburgh, PA 15206-4489
(412) 365-1000

MEMORANDUM: 06-006
DATE: March 7, 2006
TO: OSCT Mailing List
FROM: Donald Lind
SUBJECT: D5662 New Elastomer Batch Approval Protocol

At the February 7, 2006 OSCT Surveillance Panel meeting the panel approved a protocol for qualifying new batches of elastomers for testing. Attached is the approved protocol. This protocol shall be used for all new batches of elastomer as of March 1, 2006

DML/dml

c: <ftp://ftp.astmtmc.cmu.edu/docs/gear/osct/memos/mem06-006.pdf>

Distribution: Email

D5662 Qualifying Protocol for New Batches of Elastomers

The Central Parts Distributor will notify the labs and the TMC upon receiving a new batch of elastomer from the elastomer manufacturer. The Central Parts Distributor will identify the type of elastomer being received and the tentative receiving date from the manufacturer (if possible).

Once the Central Parts Distributor receives the shipment into their system, they will send out 8 slabs of each new elastomer batch to the labs running the test monitored through the TMC. The manufacturer analysis sheet must accompany the shipment to each lab.

Initial Elastomer Testing: After receiving the new elastomer slabs, each lab will cut 6 coupons and 6 dumbbells for each TMC reference oil that will be tested. The initial analysis (initial volume in water and air, and hardness) will be sent to the TMC. TMC will compile the data and send to the test labs for review.

Reference Oil Elastomer Testing: After the initial elastomer testing has been approved the TMC will assign the reference oils needed for stressing the new batch of elastomer. Labs will conduct tests on the new batch of elastomer as per test method D5662 using only 6 coupons and 6 dumbbells run in 2 test tubes per reference oil. These elastomer(s) will be run as donated reference oil tests. After completion of the reference oil tests the results will be sent to the TMC.

Analysis: TMC will compile and plot the data comparing the new elastomer batch with the existing elastomer batches. Plots will be designed to illustrate any elastomer batch or lab differences. Data and plots will be sent to the surveillance panel members. The surveillance panel chairperson will then call a meeting to determine elastomer batch approval.